

*Ex's
Amendment to c6 & c9*

Amendments To The Claims:

This listing of claims will replace all prior listings of claims in this application.

Listing of Claims:

1. (Currently amended) A plated magnetic film comprising Co and Fe, wherein the plated magnetic film comprises columnar crystals extending in a film thickness direction, wherein a stack of fine crystals constitute the columnar crystals, and wherein a plurality of the columnar crystals are provided adjacent to one another in a film surface direction with grain boundaries extending in the film thickness direction and separating the columnar crystals.

2. (Cancelled)

3. (Original) The magnetic film according to Claim 1, wherein a compositional ratio of Fe is 50% to 85% by weight.

4. (Original) The magnetic film according to Claim 1, wherein a compositional ratio of Fe is 50% to 81.5% by weight.

5. (Original) The magnetic film according to Claim 1, wherein a compositional ratio of the Fe is 60% to 72% by weight.

9/13/06
6. ~~(Original)~~ ^(Currently Amended) The magnetic film according to Claim 1, wherein an average crystal particle diameter of the fine crystals of the plated magnetic film is 200 angstroms or less.

7. (Original) The magnetic film according to Claim 1, wherein a center line average roughness Ra of a film surface of the plated magnetic film is 2.5 nm or less.

8. (Currently amended) A thin film magnetic head comprising a lower core layer, an upper core layer and a magnetic pole portion located between the lower core layer and the upper core layer, wherein the magnetic pole portion has a width dimension in a track-width direction less than that of the lower core layer and the upper core layer,

wherein the magnetic pole portion comprises one of a) a lower magnetic pole layer adjacent the lower core layer, an upper magnetic pole layer adjacent the upper core layer and a gap layer located between the lower magnetic pole layer and the upper magnetic pole layer, or b) an upper magnetic pole layer adjacent the upper core layer and a gap layer located between the upper magnetic pole layer and the lower core layer,

wherein one or both of the upper magnetic pole layer and the lower magnetic pole layer comprises a plated magnetic film comprising Co and Fe, wherein the plated magnetic film further comprises a columnar crystals extending in a film thickness direction, wherein a stack of fine crystals constitute the columnar crystals, and

wherein a plurality of the columnar crystals are provided adjacent to one another in a film surface direction with grain boundaries extending in the film thickness direction and separating the columnar crystals, and

wherein a center line average roughness (Ra) of a film surface of the plated magnetic film is 2.5 nm or less.

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9. ~~(Previously presented)~~ ^(Currently amended) The plated magnetic film according to Claim 8, wherein an average crystal particle diameter of the fine crystals of the plated magnetic film is 200 angstroms or less.

10-11. (Cancelled)

12. (Previously presented) The plated magnetic film of claim 8, wherein the plated magnetic film comprises an organic acid-plated magnetic film.

13. (Previously presented) The plated magnetic film of claim 12, wherein the organic acid comprises malonic acid.

14. (Previously presented) The plated magnetic film of claim 12, wherein the organic acid comprises one of oxalic acid, succinic acid, maleic acid, and tartaric acid.

15. (Currently amended) The plated magnetic film of claim 12, wherein a ~~substantial~~ portion of the Fe in the ~~organic acid-plated~~ magnetic film comprises Fe having a +2 oxidation state.